



National Transportation Safety Board Aviation Accident Final Report

Location:	Malone, NY	Accident Number:	GAA18CA416
Date & Time:	06/30/2018, 1912 EDT	Registration:	N712FP
Aircraft:	Aeroprakt A-22 VALOR	Aircraft Damage:	Substantial
Defining Event:	Hard landing	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

According to the pilot, he overflew the airport and assessed the winds for landing. During the landing flare, the airplane encountered a crosswind gust from the right. The right wing lifted, and the left wing struck the ground. The airplane pivoted about the left wing and landed hard.

The airplane sustained substantial damage to the left wing spar.

The pilot reported that there were no mechanical malfunctions or failures with the airplane that would have precluded normal operation.

The pilot reported that, about the time of the accident, the wind at the airport was from 240° and light and variable, gusting to 7 knots. The pilot landed on runway 23.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The pilot's improper crosswind correction during the landing flare in gusting wind conditions, which resulted in a hard landing.

Findings

Aircraft

Personnel issues

Aircraft control - Pilot (Cause)

Environmental issues

Gusts - Effect on operation

Crosswind - Effect on operation

Factual Information

History of Flight

Landing-flare/touchdown	Other weather encounter Hard landing (Defining event)
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Pilot Information

Certificate:	Private	Age:	69, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With Waivers/Limitations	Last FAA Medical Exam:	05/01/2017
Occupational Pilot:	No	Last Flight Review or Equivalent:	09/15/2017
Flight Time:	(Estimated) 200 hours (Total, all aircraft), 20 hours (Total, this make and model), 200 hours (Pilot In Command, all aircraft), 2.5 hours (Last 90 days, all aircraft), 1.1 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Aeroprakt	Registration:	N712FP
Model/Series:	A-22 VALOR Undesignat	Aircraft Category:	Airplane
Year of Manufacture:	2008	Amateur Built:	No
Airworthiness Certificate:	Special Light-Sport	Serial Number:	223
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	05/23/2008, Annual	Certified Max Gross Wt.:	1320 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2900 Hours	Engine Manufacturer:	Rotax
ELT:	Installed, not activated	Engine Model/Series:	912
Registered Owner:	On file	Rated Power:	100 hp
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KSLK, 1663 ft msl	Distance from Accident Site:	29 Nautical Miles
Observation Time:		Direction from Accident Site:	169°
Lowest Cloud Condition:	Scattered	Visibility	10 Miles
Lowest Ceiling:	Unknown	Visibility (RVR):	
Wind Speed/Gusts:	Light and Variable / 7 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	240°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	
Precipitation and Obscuration:			
Departure Point:	Malone, NY (MAL)	Type of Flight Plan Filed:	None
Destination:	Malone, NY (MAL)	Type of Clearance:	None
Departure Time:	EDT	Type of Airspace:	Class G

Airport Information

Airport:	Malone-Dufort (MAL)	Runway Surface Type:	Asphalt
Airport Elevation:	789 ft	Runway Surface Condition:	Dry
Runway Used:	23	IFR Approach:	None
Runway Length/Width:	3994 ft / 100 ft	VFR Approach/Landing:	Full Stop; Straight-in; Traffic Pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	44.853611, -74.328889 (est)

Administrative Information

Investigator In Charge (IIC):	Michael A Hicks	Report Date:	03/18/2019
Additional Participating Persons:	Todd P Moses; FAA; Albany, NY		
Publish Date:	03/18/2019		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=97749		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).